

U. S. DEPARTMENT OF COMMERCE

Jesse H. Jones, Secretary

COAST AND GEODETIC SURVEY

Leo Otis Colbert, Director

PLANE COORDINATES, ELEVATIONS AND DESCRIPTIONS OF STATIONS

Local Control Survey Projects

Civil Works Administration  
and

Federal Emergency Relief Administration

Prof. D. V. Terrell

December 4, 1933, to March 31, 1934

K E N T U C K Y

(Revised Edition—April 1942)

G 27

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New York Computing Office  
U. S. Coast and Geodetic Survey  
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## FOREWORD

The data described in the following pages resulted from control survey projects of the Civil Works Administration and the Federal Emergency Relief Administration during the period from December 4, 1933 to March 31, 1934. The surveys were made under the direction of Prof. D. V. Terrell, Department of Civil Engineering, University of Kentucky, Lexington, Kentucky.

The project was initiated by the United States Coast and Geodetic Survey on December 4, 1933 and remained under the direction of this organization until February 15, 1934. Subsequent to this date the project was sponsored locally in the state.

The leveling was accomplished with a check between established bench marks of 0.05 foot  $\sqrt{\text{distance}}$  in miles or better, but some elevations are subject to change because they were controlled by U.S.C. & G.S. elevations not finally adjusted. The traverse was accomplished with specifications for second-order accuracy, i.e., a check of 1/10,000 on established stations, except where specifically noted as third-order when the closures obtained were between 1/5,000 and 1/10,000.

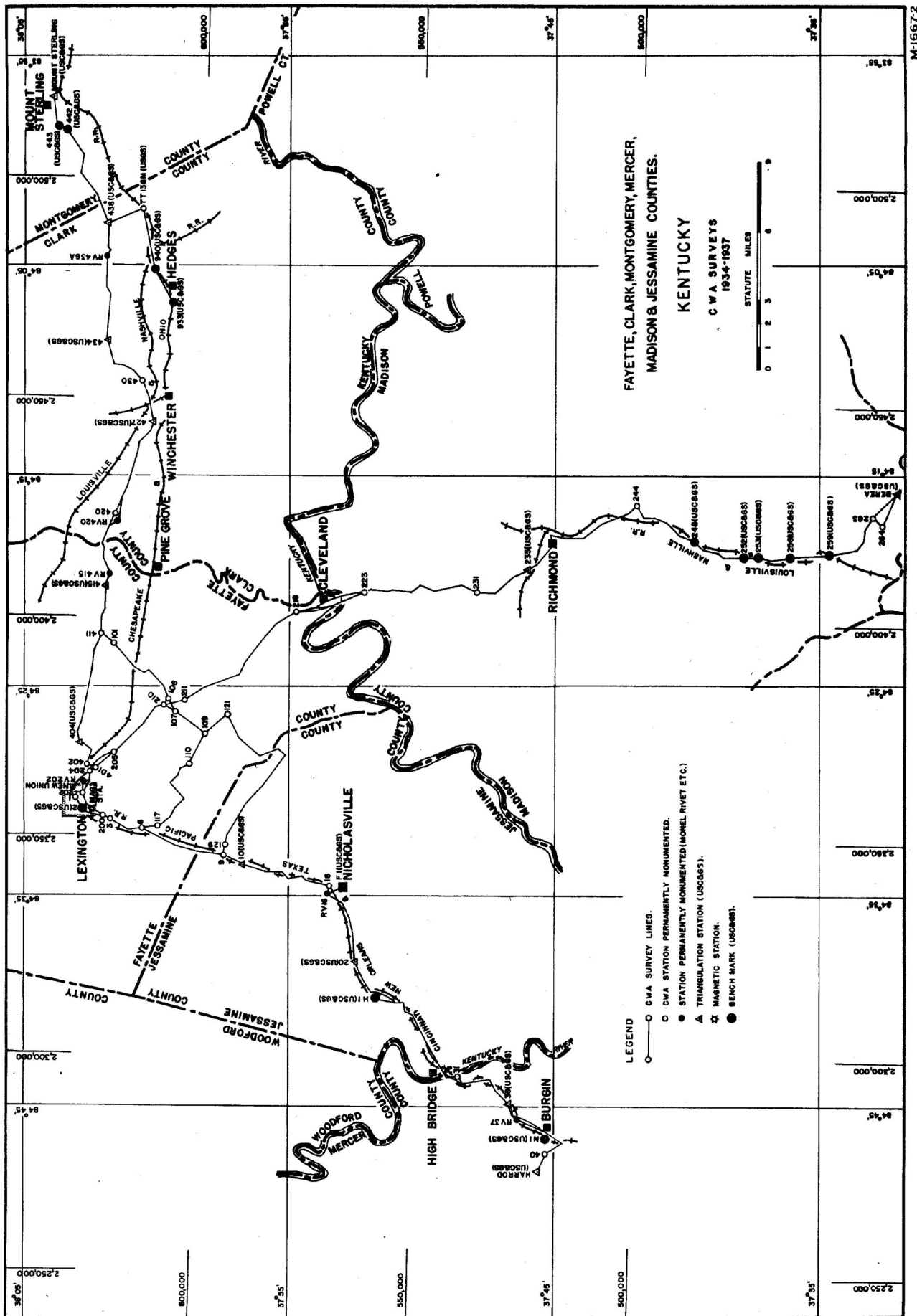
The field notes were computed and adjusted to some extent in the state during the life of the project. The final work of this nature, together with the preparation of the manuscript, was done in the New York Computing Office of the U.S. Coast and Geodetic Survey, under Work Projects Administration projects OP-765-97-3-3, OP-65-2-97-46, and OP-165-2-97-73.

This Revised Edition SUPERSEDES the original pamphlet which was published under date of October 1, 1940, a re-adjustment of the traverse having been made in order to include additional ties to the U.S. Coast and Geodetic Survey triangulation net.

The positions are given in feet expressed on the State Plane Coordinate System. A description of the plane coordinate system is given in U.S. Coast and Geodetic Survey Special Publication No. 194 "Manual of Traverse Computation on the Lambert Grid", which may be obtained from the Superintendent of Documents, Washington, D.C., at a price of \$0.20. A pamphlet of "Plane Coordinate Projection Tables" for Kentucky may be obtained from the Director, U.S. Coast and Geodetic Survey, Washington, D.C.

The elevations are given in feet for the datum of mean sea level.

Additional information concerning this work may be obtained by addressing the Director, U.S. Coast and Geodetic Survey, Washington, D.C.



KENTUCKY GEODETIC SURVEY STATIONS

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## KENTUCKY

UNITED STATES COAST AND GEODETIC SURVEY AND STATE SURVEY  
Second- and Third-order traverse and Third-order leveling

(Coordinates are Second-order except where specified as Third-order).

Field work done by Local Control Survey parties in 1934.

## Montgomery and Clark Counties

## From Mount Sterling to Winchester

Line begins at

MOUNT STERLING (U.S.C. & G.S.) (Ky. Geod. S.) (Montgomery County, H.W. Hemple, 1928; D.V. Terrell, 1934).--Station is located in the Odd Fellows Cemetery on Old Fort Hill in Mt. Sterling. To reach from the east side of courthouse in Mt. Sterling, go south 0.05 mile to Main Street, continue south 0.1 mile to first street intersection, turn left and go 0.5 mile to gate in cemetery on right, pass thru gate and follow road to left to top of hill at overhead bridge. Station is 84 feet east of southwest corner of bridge. Station is a standard station disk set in top of square concrete post, flush with ground. Reference mark 1 is west of station, 7 feet west of southwest corner of overhead bridge, and flush with ground, note 11a. Reference mark 2 is the northeast corner of base of granite tombstone bearing name "Bogle" on its east and west faces. Azimuth mark (1935) is east of station along street which runs just north of the station, and 30 feet east of center line of same, 8 feet southwest of a 10-inch locust, 2 feet south of fence line, 0.35 mile from station, and projects about 2 inches.

OBJECT	DISTANCE	DIRECTION
Sharpsburg	Feet	0°00'00"0
Silo, white, to SE.	1 mile	123 07 58.8
R.M. 2	54.02	218 28 25.4
R.M. 1	91.39	254 42 15.6
Azimuth mark	0.35 mile	71 25 50.6
Elevation (U.S.C. & G.S.):	1,026.986 feet	
Plane coordinates: (S), $\bar{x}$ = 2,523,663.11 feet; $\bar{y}$ = 632,767.34 feet.		

443 (Ky. Geod. S.) (U.S.C. & G.S.) (Montgomery County, D.V. Terrell, 1934).--About 3/4 mile west of MOUNT STERLING, in southwest corner of hayfield on the Cockrell property, 135 paces north of west end of Spring Street, about 150 yards east of a large barn, and 541 feet from center line of U.S. Highway 60. Station is a U.S.C. & G.S. and State Survey standard disk in concrete post, flush with surface of ground. Elevation (U.S.C. & G.S.): 1,022.833 feet. Plane coordinates: (S),  $\bar{x}$  = 2,517,148.10 feet;  $\bar{y}$  = 630,843.32 feet.

442 (Ky. Geod. S.) (Montgomery County, D.V. Terrell, 1934).--1 mile west of Mt. Sterling, about 1,000 feet south of U.S. Highway 60, 597 feet southeast of corner of barn (with four windows in gable and stripping shed at northeast corner), 40 feet north of rear of narrow lot opposite telephone pole 1334, and on east side of the Cockrell and Bogle property line fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,032.616 feet. Plane coordinates: (S),  $\bar{x}$  = 2,515,505.93 feet;  $\bar{y}$  = 630,088.06 feet.

441 (Ky. Geod. S.) (Montgomery County, D.V. Terrell, 1934).--2 miles west of Mt. Sterling, 2,200 feet from U.S. Highway 60, and 10 feet east of center line of Prewitt Pike, on the Biggerstaff property line fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station. Plane coordinates: (S),  $\bar{x}$  = 2,510,986.38 feet;  $\bar{y}$  = 627,413.41 feet.

440 (Ky. Geod. S.) (Montgomery County, D.V. Terrell, 1934).--1.9 miles west of Mt. Sterling Court House, 164 feet southwest of west entrance to the George Snyder residence, and 28 feet south of center line of U.S. Highway 60. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station. Plane coordinates: (S),  $\bar{x}$  = 2,508,109.37 feet;  $\bar{y}$  = 628,620.49 feet.

439 (Ky. Geod. S.) (Montgomery County, D.V. Terrell, 1934).--3 miles west of Mt. Sterling, 1 mile east of Clark County line, 1,200 feet northwest of yellow brick house with two chimneys at each end on the S.D. Powell property, and 25 feet south of center line of U.S. Highway 60. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station. Plane coordinates: (S),  $\bar{x}$  = 2,501,010.21 feet;  $\bar{y}$  = 624,799.84 feet.

438 Prime (Ky. Geod. S.) (Montgomery County, D.V. Terrell, 1934).--At south headwall of culvert on U.S. Highway 60, and 120 feet west of telephone pole 1189. Station is a monel metal rivet. No elevation or coordinates have been determined for this station.

438 (Ky. Geod. S.) (U.S.C. & G.S.) (Clark County, D.V. Terrell 1934; M.A. Hecht, 1935).--4 miles west of Mt. Sterling, 533 feet south of center line of U.S. Highway 60, 50 feet west of Montgomery County line, 13 feet east of center line of Thompson Station Pike, and 110 feet from southwest corner of barn having eight ventilators on roof, on the W.P. French property. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,083.874 feet.

Plane coordinates: (S),  $\bar{x}$  = 2,496,402.81 feet;  $\bar{y}$  = 621,946.39 feet.

136 (U.S.C. & G.S.) (Ky. Geod. S.) (Clark County, S.H. Meyers, 1928; D.V. Terrell, 1934).--About 8.5 miles east of Winchester, 0.5 mile north of Thompson Station, 22 feet south and 5 feet west of junction of Ectons Pike and Thompson Station pike leading north to Midland trail, and 2 feet north of fence line. The following distances and azimuths are from station: To west gable of barn, 1,000 feet, 256°50'15"; to east gable of house, 480 feet, 85°50'15". Station is a bronze tablet stamped "T.T. Sta. No. 136-M-1928" set in top of concrete post. Elevation (U.S.C. & G.S.): 1,070.671 feet.

No coordinates have been determined for this station.

437 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--5 miles west of Mt. Sterling, 26 feet south of center line of U.S. Highway 60, 2,400 feet west of intersection of highway with Thompson Station Road, 1,400 feet east of Tracy School, and 500 feet west of property line of the Eubanks and Ratliff properties. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,062.345 feet.

Plane coordinates: (S),  $\bar{x}$  = 2,494,095.89 feet;  $\bar{y}$  = 621,408.17 feet.

436 B (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--5.75 miles west of Mt. Sterling, 1.25 miles west of Sewell Shop, on north end of concrete culvert over center of barrel on north side of U.S. Highway 60, and near telephone pole 1113. Station is a monel metal rivet. Elevation: 926.238 feet.

No coordinates have been determined for this station.

436 A (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--In abutment of bridge over branch on U.S. Highway 60, and 18 inches from outside of rail on northwest corner. Station is a monel metal rivet. Elevation: 901.034 feet.

No coordinates have been determined for this station.

436 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--7 miles east of Winchester, 110 feet south of center line of U.S. Highway 60, on property line of the Lewis and Skinner farms, and 1,900 feet east of Mt. Zion School. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,022.447 feet. Plane coordinates: (S),  $\bar{x}$  = 2,479,214.17 feet;  $\bar{y}$  = 622,593.96 feet.

435 A (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--6.4 miles east of Winchester, on U.S. Highway 60, and on southeast abutment of bridge over Little Stone Creek. Station is a monel metal rivet. Elevation: 901.694 feet.

No coordinates have been determined for this station.

435 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--5.8 miles east of Winchester Court House, 27 feet east of center line of U.S. Highway 60, and 200 feet northwest of the Herbert Harlin residence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 995.617 feet. Plane coordinates: (S),  $\bar{x}$  = 2,473,119.95 feet;  $\bar{y}$  = 621,735.53 feet.

434 (Ky. Geod. S.) (U.S.C. & G.S.) (Clark County, D.V. Terrell, 1934; M.A. Hecht, 1935).--4.4 miles east of Winchester Court House, 18 feet south of center line of U.S. Highway 60, approximately 1,700 feet southwest of the Henry Besuden residence, and 550 feet east of the Judge Joe Lindsay residence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,030.304 feet. Plane coordinates: (S),  $\bar{x}$  = 2,466,039.44 feet;  $\bar{y}$  = 623,423.22 feet.

433 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--2.7 miles east of Winchester Court House, 225 feet south of center line of U.S. Highway 60, and 12 feet east of center line of the Pennycross private driveway. (Note: distance from U.S. Highway 60 measured along east fence of driveway). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,017.346 feet. Plane coordinates: (S),  $\bar{x}$  = 2,460,591.12 feet;  $\bar{y}$  = 618,655.97 feet.

432 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--2.3 miles east of Winchester Court House, 18 feet south of center line of U.S. Highway 60, and 120 feet southwest of small frame house. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,014.235 feet. Plane coordinates: (S),  $\bar{x}$  = 2,459,242.86 feet;  $\bar{y}$  = 617,354.65 feet.

431 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--1.9 miles east of Winchester Court House, 500 feet north of center line of concrete bridge on U.S. Highway 60, and 19 feet southeast of center line of highway. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 949.735 feet. Plane coordinates: (S),  $\bar{x}$  = 2,458,314.83 feet;  $\bar{y}$  = 615,717.81 feet.

430 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--1.3 miles east of Winchester Court House, 0.6 mile east of intersection of U.S. Highway 60 with Paris-Winchester Road, and 20 feet west of center line of highway. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,009.519 feet. Plane coordinates: (S),  $\bar{x}$  = 2,456,485.57 feet;  $\bar{y}$  = 613,206.84 feet.

429 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--0.7 mile north of Winchester, 22 feet north of center line of northbound main track of Louisville & Nashville Railroad, and approximately 800 feet north of Lexington & Eastern and Louisville & Nashville Railroad junction. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 953.305 feet. Plane coordinates: (S),  $\bar{x}$  = 2,451,853.87 feet;  $\bar{y}$  = 612,746.70 feet.

426 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--0.5 mile northwest of Winchester, 1,500 feet west of Junction of Lexington & Eastern with Louisville & Nashville Railroad, and about 400 feet south of Lexington & Eastern Railway. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 998.978 feet.  
Plane coordinates: (S),  $x = 2,450,669.41$  feet;  $y = 612,038.83$  feet.

Line ends at

427 (Ky. Geod. S.) (U.S.C. & G.S.) (Clark County, D.V. Terrell, 1934; M.A. Hecht, 1935).--On the west edge of Winchester. To reach from courthouse, go west on Route 60 for 1.05 miles to a double-lane gravel street to the right, and turn right for 0.1 mile to top of grade and station. Station is in the center of a grassy lane running along middle of street, in between the two most northerly houses on street and in line with south side of house on west side of street, 27.2 feet south-southeast of concrete steps of the G.H. Alexander residence, 13.5 feet east-southeast of center line of the west drive, 17 feet west-northwest of the east drive, and 65.4 feet south-southeast of southeast corner of concrete garage (considering garage to face east). Station is a U.S.C. & G.S. and State Survey standard disk in concrete post projecting about 4 inches. Reference and azimuth marks are standard disks set in concrete as described in note 11a. Reference mark No. 1 is northeast of station, 1 foot west of wire fence and 6 feet east of center line of east drive. No. 2 is southwest of station, 2.5 feet west of wood fence, and 7.5 feet east of center line of east drive. Azimuth mark is southwest of station near the intersection of street and Route 60, 9 feet east-southeast of west drive, 9 feet west-northwest of center line of east drive, and about 72 feet northeast of center line of Route 60. Mark is stamped "CWA TRAV. STA. 427, 1935".

OBJECT	DISTANCE	DIRECTION
WMN	Feet	0°00'00"00"
R.M. 1	99.71	139 26 24.0
R.M. 2	151.44	296 45 08.0
Azimuth mark	0.1 mile	305 31 51.8

Elevation: 1,010.929 feet.  
Plane coordinates: (S),  $x = 2,448,966.17$  feet;  $y = 610,320.61$  feet.

#### Clark, Fayette and Jessamine Counties

##### From Winchester, through Lexington to Wilmore

Line begins at station 427 (Ky. Geod. S.) described in another part of this publication.

426 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--1 mile west of Winchester, approximately 17 miles east of Lexington, 20 feet from center line of Winchester Road (U.S. Highway 60), 114 feet east of the R.L. Sewell service station, 75 feet southwest of center of two concrete posts marking the entrance to driveway of Colonel W.M. Robb, and 5 feet west of telephone pole 672. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 998.104 feet.  
Plane coordinates: (S),  $x = 2,446,459.79$  feet;  $y = 611,101.28$  feet.

425 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--16.3 miles east of Lexington, 1.7 miles west of Winchester, on north side of Winchester Road (U.S. Highway 60), 800 feet east of intersection of Van Meter Pike with highway, 175 feet east of granite monument marked "John Strode" on south side, 42 feet west of telephone pole 643, and 3 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 937.419 feet.  
Plane coordinates: (S),  $x = 2,443,462.06$  feet;  $y = 613,047.93$  feet.

424 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--15.8 miles east of Lexington, 2.5 miles west of Winchester, on south side of Winchester Road (U.S. Highway 60), 1/2 mile west of intersection of Van Meter Pike with highway, 42 feet west of telephone pole 618 opposite southwest corner of field known as Winchester Gun Club, and 5 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 980.116 feet.  
Plane coordinates: (S),  $x = 2,440,869.86$  feet;  $y = 614,327.55$  feet.

423 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--15.2 miles east of Lexington, 2.8 miles west of Winchester, on south side of Winchester Road, 27 feet east of telephone pole 587, and 12 feet north of south right-of-way plank fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,008.705 feet.  
Plane coordinates: (S),  $x = 2,437,480.03$  feet;  $y = 615,588.34$  feet.

422 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--14.2 miles east of Lexington, 3.8 miles west of Winchester, on south side of Winchester Road, 9 feet west of telephone pole 540, and 2 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 978.894 feet.  
Plane coordinates: (S),  $x = 2,432,173.83$  feet;  $y = 616,983.36$  feet.

421 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--13.8 miles east of Lexington, 4.2 miles west of Winchester, on south side of Winchester Road, approximately 250 feet east of Rocks Hill schoolhouse, 10 feet west of telephone pole 520, and 1 foot north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 985.350 feet.  
Plane coordinates: (S),  $x = 2,430,278.36$  feet;  $y = 618,086.43$  feet.

RV 420 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--4.5 miles west of Winchester, 1 mile east of Clark County line, on top of concrete wing of east abutment on up-stream side of concrete bridge, 6 feet from southwest face, and 6 inches north of top break in slope of abutment wing. Station is a monel metal rivet. Elevation: 944.975 feet.  
No coordinates have been determined for this station.

420 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--13.2 miles east of Lexington, 4.8 miles west of Winchester, on south side of Winchester Road, 18 feet west of telephone pole 491, and 8 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,006.150 feet.  
Plane coordinates: (S),  $x = 2,427,264.55$  feet;  $y = 619,079.36$  feet.

419 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--12.6 miles east of Lexington, 5.4 miles west of Winchester, on north side of Winchester Road, 57 feet west of telephone pole 406, and 6 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,020.343 feet.  
Plane coordinates: (S),  $x = 2,424,402.33$  feet;  $y = 620,186.33$  feet.

418 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--11.75 miles east of Lexington, 6.25 miles west of Winchester, on north side of Winchester Road, 60 feet west of Fayette-Clark County line, 45 feet east of telephone pole 409, and 10 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,033.953 feet.  
Plane coordinates: (S),  $x = 2,420,211.46$  feet;  $y = 621,169.20$  feet.

RV 418 (Ky. Geod. S.) (Clark County, D.V. Terrell, 1934).--5.8 miles west of Winchester, 0.4 mile east of Fayette County line, on Lexington-Winchester Road, in center of south parapet wall, and directly over east line of concrete culvert. Station is a monel metal rivet. Elevation: 999.730 feet.  
No coordinates have been determined for this station.

417 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--11.1 miles east of Lexington, 6.9 miles west of Winchester, on north side of Winchester Road, 39 feet west of telephone pole 379, and 3 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,036.880 feet.  
Plane coordinates: (S),  $x = 2,416,236.60$  feet;  $y = 620,792.44$  feet.

416 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--10.65 miles east of Lexington, 7.35 miles west of Winchester, on south side of Winchester Road, approximately 500 feet east of Combs Ferry Road, 35 feet east of telephone pole 365, and 4 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,012.997 feet.  
Plane coordinates: (S),  $x = 2,414,616.84$  feet;  $y = 620,306.60$  feet.

RV 415 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--7.7 miles west of Winchester, 1.4 miles west of Clark County line, and about 75 feet southwest of edge of small pond. Station is a monel metal rivet in center of south parapet wall over east line of 4-foot by 3-foot concrete box-culvert. Elevation: 987.108 feet.  
No coordinates have been determined for this station.

415 (Ky. Geod. S.) (U.S.C. & G.S.) (Fayette County, D.V. Terrell, 1934; M.A. Hecht, 1935).--9.8 miles east of Lexington, 8.2 miles west of Winchester, on south side of Winchester Road, 360 feet east of the W.M. Crow mail-box, 36 feet west of telephone pole 334, and 7 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,040.129 feet.  
Plane coordinates: (S),  $x = 2,410,209.87$  feet;  $y = 620,361.79$  feet.

414 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--8.65 miles east of Lexington, on south side of Winchester Road, 100 feet west of the H.W. Coleman residence, 6 feet east of telephone pole 289, and 5 feet north of south right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,040.756 feet.  
Plane coordinates: (S),  $x = 2,408,276.90$  feet;  $y = 620,469.89$  feet.

413 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--8.3 miles east of Lexington, on north side of Winchester Road, 81 feet east of telephone pole 274, and 10 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,036.009 feet.  
Plane coordinates: (S),  $x = 2,402,333.16$  feet;  $y = 620,553.13$  feet.

412 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--7.9 miles east of Lexington, on Lexington-Winchester Road, approximately 500 feet east of Walnut Hill Road, 72 feet west of entrance to the Susie Darnbary residence, 8 feet north of south right-of-way plank fence, and 5 feet east of telephone pole 261. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,025.659 feet.  
Plane coordinates: (S),  $x = 2,400,387.91$  feet;  $y = 620,502.60$  feet.

411 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--7.4 miles east of Lexington, on north side of Winchester Road, 81 feet east of telephone pole 245, 78 feet east of telephone pole 244, and 10 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 994.682 feet.  
Plane coordinates: (S),  $x = 2,397,929.02$  feet;  $y = 621,211.90$  feet.

410 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934).--6.55 miles east of Lexington, on Winchester Road, 54 feet east of center line of entrance to the T.J. Johnson residence, 21 feet east of

telephone pole 213, and 2 feet north of south right-of-way plank fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 979.060 feet.

Plane coordinates: (S),  $x = 2,393,605.20$  feet;  $y = 622,506.28$  feet.

409 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--5.8 miles west of Lexington, on east side of Bryant Road, 120 feet south of Lexington-Winchester Road, and 2 feet east of east right-of-way plank fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,017.736 feet.

Plane coordinates: (S),  $x = 2,389,753.07$  feet;  $y = 622,561.61$  feet.

408 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4.5 miles east of Lexington, on north side of Lexington-Winchester Road, 42 feet east of telephone pole 130, 18 feet west of 2-foot-square wire-fence corner post on south side of road, and 7 feet south of north right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 980.353 feet.

Plane coordinates: (S),  $x = 2,383,021.91$  feet;  $y = 624,447.16$  feet.

407 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--3.7 miles east of Lexington, on Winchester Road, 6 feet south of south edge of concrete, 48 feet west of telephone pole 100 on north side of road, and 30 feet west of center line of entrance to the J.S. Madden estate farmhouse. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 993.178 feet.

Plane coordinates: (S),  $x = 2,379,159.39$  feet;  $y = 624,608.37$  feet.

406 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--3 miles east of Lexington, 16 feet south of center line of Winchester Road, and opposite telephone pole 74 on north side of road. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,017.934 feet.

Plane coordinates: (S),  $x = 2,375,493.82$  feet;  $y = 624,704.44$  feet.

405 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--Approximately 3 miles east of Lexington, on Winchester Road, 225 feet west of dwelling house owned by J.E. Madden Estate north of road (occupied by Lester Steele), and 2.5 feet south of north right-of-way plank fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,008.676 feet.

Plane coordinates: (S),  $x = 2,373,761.06$  feet;  $y = 625,001.44$  feet.

404 (Ky.Geod.S.)(U.S.C. & G.S.)(Fayette County, D.V.Terrell, 1934; M.A.Hecht, 1935).--2.3 miles east of Lexington, on Winchester Road, 18 feet south of center line of road, and 204 feet east of entrance gate of Grasmere Farm (Mrs. James McLeod). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,062.276 feet.

Plane coordinates: (S),  $x = 2,372,098.84$  feet;  $y = 624,923.55$  feet.

403 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--2 miles east of Lexington on Liberty Road, 144 feet southeast of intersection of Henry Clay Boulevard with Liberty Road, 33 feet southeast of southeast yard fence, and 18 inches west of east right-of-way wire fence line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,063.781 feet.

Plane coordinates: (S),  $x = 2,370,221.02$  feet;  $y = 623,143.30$  feet.

402 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--On west side of Lexington, 15 feet south of south curb line of Henry Clay Boulevard, and 9 feet east of east curb line of Bonaire Avenue (Fairway subdivision), opposite lot 249 (red brick two-story house on the boulevard). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,051.557 feet.

Plane coordinates: (S),  $x = 2,367,682.75$  feet;  $y = 620,361.37$  feet.

401 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--1.9 miles southeast of Lexington, 168 feet west of caddy house, 21 feet west of west porch column center line (extended) of Asland Country Club, and 15 inches south of north fence of club. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,042.998 feet.

Plane coordinates: (S),  $x = 2,368,432.80$  feet;  $y = 619,454.44$  feet.

204 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 1.9 miles southeast of Lexington, on Lexington-Richmond Road, 237 feet south of end of concrete on road, 15 feet west of east right-of-way fence, and opposite Ashland Country Club property. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,001.054 feet.

Plane coordinates: (S),  $x = 2,368,268.65$  feet;  $y = 618,081.86$  feet.

203 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--In Ashland subdivision of Lexington, approximately 162 feet east of present end of Fontaine Road, and 162 feet southeast of south curb line of Dudley Road (extended). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,054.044 feet.

Plane coordinates: (S),  $x = 2,365,995.22$  feet;  $y = 618,125.39$  feet.

202 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--In Montclair subdivision of Lexington, 57 feet south of center line of street entrance to subdivision "W", and 3 feet west of east right-of-way line of Tates Creek pike. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,046.717 feet.

Plane coordinates: (S),  $x = 2,362,145.56$  feet;  $y = 617,036.27$  feet.

201 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--In Lexington, 12 feet south of south line of Lot 27, and 4 feet west

of east property line of University of Kentucky Experimental Farm. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,025.943 feet.

Plane coordinates: (S),  $x = 2,360,388.70$  feet;  $y = 618,324.22$  feet.

LEXINGTON MAGNETIC STATION (U.S.C. & G.S.)(Fayette County, H.W.Hemple, 1928; D.V.Terrell, 1934).--In Lexington, on grounds of the Agricultural Experimental Station farm of the University of Kentucky, about 500 yards southwest of the Astronomical Observatory, in lane between southwest corner of Lot 18 and northwest corner of Lot 25. These lanes are about 10 feet wide. The southeast corner of Lot 17 forms east end of the farm survey base line, and is marked by a concrete post set one foot below surface of ground. Station is 40 feet east of the center of base-line stone and about 4.6 feet south of south line of Lot 18. A large wild cherry tree stands at northeast corner of Lot 24 and the station measures 42.7 feet east of the tree. Station is marked by a concrete post set 1 foot below surface of ground with a bronze disk in the top. The following true bearings were determined in 1928 and 1934:

St. Paul's Catholic Church spire (mark).....N. 5°59'7"E.

U.S. Weather Bureau instrument shaft on

Fayette Bank Building.....N. 11°49'7"E.

Left edge of chimney on livestock exhibit

building (just below the top).....N. 17°59'3"W.

Spire on Memorial Building.....N. 17°02'0"W.

Left edge of tile silo (at base).....N. 53°00'6"E.

Elevation: 991.904 feet.

Plane coordinates: (S),  $x = 2,359,230.87$  feet;  $y = 619,175.25$  feet.

200 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--South of Lexington, on Southern Railway right-of-way, on east bank of first fill south of Virginia Avenue overhead bridge, 24 feet east of center line of northbound track, and 7 feet north of north curb line of Transcript Street (extended). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.

Plane coordinates: (S),  $x = 2,355,940.03$  feet;  $y = 621,054.43$  feet.

3 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--1.9 miles south of Lexington, on Southern Railway right-of-way, between Brannon and Lexington, on top of cut, 570 feet south of city limits railway marker for Lexington, 150 feet east of center line of Stanley Avenue, 31 feet west of center line of southbound track, 100 feet east of first frame house (1308 Stanley Avenue), and 5 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 989.258 feet.

Plane coordinates: (S),  $x = 2,355,546.34$  feet;  $y = 620,232.34$  feet.

4 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--2.7 miles south of Lexington, on Southern Railway right-of-way, between Brannon and Lexington, southwest of intersection of railway and Rosemont Garden Road, 60 feet south of center line of road, 1 foot north of south building line of road, and 40 feet west of center line of southbound track. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 983.258 feet.

Plane coordinates: (S),  $x = 2,353,918.53$  feet;  $y = 616,040.67$  feet.

5 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--3.4 miles south of Lexington, on Southern Railway right-of-way, between Brannon and Lexington, 1,647 feet north of overhead crossing of Stone Road, 830 feet north of railway milepost 84, 65 feet west of center line of southbound track, and 6 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,001.550 feet.

Plane coordinates: (S),  $x = 2,352,740.85$  feet;  $y = 612,837.67$  feet.

6 Prime (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--3.8 miles south of Lexington, on footing 7 feet east of east rail under viaduct of Stone Road over Cincinnati, New Orleans & Texas Pacific Railway, 4 inches south of north face and 4 inches east of west face. Station is a monel metal rivet.

No elevation or coordinates have been determined for this station.

6 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--2.6 miles north of Brannon, on Southern Railway right-of-way, between Brannon and Lexington, east of first cut, 75 feet east of center line of northbound track, 650 feet south of first semaphore south of overhead crossing on Stone Road, on top of cut, 1,050 feet north of railroad milepost 85, and 5 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,039.858 feet.

Plane coordinates: (S),  $x = 2,352,489.00$  feet;  $y = 607,754.05$  feet.

7 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--1.5 miles north of Brannon, on Southern Railway right-of-way, between Brannon and Lexington, on west side of second cut, north of Higby Mill Road crossing, 65 feet west of center line of southbound track, 2,871 feet north of road, 610 feet south of railway milepost 86, and 3 feet west of west right-of-way fence line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation (unchecked): 1,043.489 feet.

Plane coordinates: (S),  $x = 2,349,786.77$  feet;  $y = 601,360.79$  feet.

8 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.5 mile north of Brannon, on Southern Railway right-of-way, between Brannon and Lexington, 44 feet west of center line of southbound track, 2,600 feet north of grade crossing at railway station in Brannon, 656 feet south of railway milepost 87, and 27 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,045.268 feet.

Plane coordinates: (S),  $x = 2,347,864.45$  feet;  $y = 596,403.04$  feet.



9 Prime (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1,115 feet south of Cincinnati, New Orleans & Texas Pacific Railway (Southern Railroad) depot at Brannon, 5 inches east of west face, 5 inches south of north face, and north of west end of Lynnes Arch culvert. Station is a monel metal rivet. No elevation or coordinates have been determined for this station.

9 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--5.3 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, 86 feet east of center line of northbound track, 2,100 feet south of grade crossing in Brannon, on east bank of first cut south of Brannon, 93 feet south of railway milepost 88, and 12 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,050.531 feet. Plane coordinates: (S),  $\bar{x}$  = 2,346,439.76 feet;  $\bar{y}$  = 591,896.22 feet.

10 (Ky.Geod.S.)(U.S.C. & G.S.)(Jessamine County, D.V.Terrell, 1934; M.A.Hecht, 1935).--4.57 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, on top of west bank of second cut south of Brannon, 70 feet west of center line of southbound track, 1,074 feet south of "Station one mile" marker, 1,287 feet north of railway milepost 89, and 3 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station. Plane coordinates: (S),  $\bar{x}$  = 2,345,052.10 feet;  $\bar{y}$  = 588,216.68 feet.

11 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--3.8 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, 764 feet south of center line of overpass at Catnip Hill Road, 17 feet west of center line of southbound track, 1,806 feet north of railway milepost 90, 8 feet south of railway bench mark 90 west of fill, and 30 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 989.841 feet. Plane coordinates: (S),  $\bar{x}$  = 2,343,601.95 feet;  $\bar{y}$  = 583,721.55 feet.

12 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--2.9 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, 15 feet east of center line of northbound track, 2,066 feet south of railway milepost 90, in first cut north of Baker Lane Road, 1,803 feet north of center line of road, and 4 feet west of east face of cut. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,016.782 feet. Plane coordinates: (S),  $\bar{x}$  = 2,342,768.15 feet;  $\bar{y}$  = 578,922.74 feet.

13 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--2.45 miles north of Nicholasville, on Southern Railway right-of-way, 25 feet west of center line of southbound track, 545 feet south of grade crossing at Baker Lane Road, 136 feet south of railway milepost 91, and 1,236 feet north of semaphore 912. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,005.977 feet. Plane coordinates: (S),  $\bar{x}$  = 2,342,242.95 feet;  $\bar{y}$  = 576,638.03 feet.

14 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1.9 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, on north end of first cut north of railway milepost 92, 18 feet east of center line of northbound track, 1,904 feet north of railway milepost 92, 153 feet south of railway bench mark 92, 304 feet south of semaphore 915, and 36 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 986.189 feet. Plane coordinates: (S),  $\bar{x}$  = 2,340,772.48 feet;  $\bar{y}$  = 573,757.13 feet.

15 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1.5 miles north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, 67 feet north of railway "Station one mile" marker north of Nicholasville, 30 feet south of railway milepost 92, and 1.5 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 976.475 feet. Plane coordinates: (S),  $\bar{x}$  = 2,340,027.51 feet;  $\bar{y}$  = 571,919.04 feet.

16 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.7 mile north of Nicholasville, on Southern Railway right-of-way, between Nicholasville and Brannon, on fill 10 feet west of center line of southbound track of railway, 12 feet north of center line of abandoned Louisville-Mashville roadbed, 1,745 feet north of Nicholasville railway station near intersection of Southern Railway and abandoned line of Louisville & Nashville Railroad, and 589 feet south of Nicholasville "city limits" railway marker. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 952.953 feet. Plane coordinates: (S),  $\bar{x}$  = 2,339,454.16 feet;  $\bar{y}$  = 568,362.53 feet.

16 Prime (Rivet) - F Prime (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--At Nicholasville, between the freight and passenger stations of the Cincinnati, New Orleans & Texas Pacific Railway (Southern Railway), on concrete retaining wall of loading yard, 51 feet south of passenger depot, 11 feet north of freight depot, and 27 feet east of east rail. Station is a monel metal rivet. Elevation: 949.683 feet. Plane coordinates: (S),  $\bar{x}$  = 2,338,860.19 feet;  $\bar{y}$  = 567,409.39 feet.

17 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.2 mile southwest of Nicholasville, on east approach of overhead crossing of State Highway 29 over Southern Railway tracks between Wilmore and Nicholasville (bridge marked 93.5), 15 feet south of center line of highway, and 18 feet east of east end of south railing of bridge (bridge at first crossing south of Nicholasville). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 960.669 feet.

Plane coordinates: (S),  $\bar{x}$  = 2,336,135.57 feet;  $\bar{y}$  = 565,816.81 feet.

18 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.6 mile southwest of Nicholasville, on Southern Railway right-of-way, between Wilmore and Nicholasville, 42 feet west of center line of northbound track, 2,000 feet south of State Highway 29, 476 feet north of railway milepost 94, and 27 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 923.359 feet. Plane coordinates: (S),  $\bar{x}$  = 2,334,172.56 feet;  $\bar{y}$  = 565,379.11 feet.

19 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1.4 miles southwest of Nicholasville, on Southern Railway right-of-way, between Wilmore and Nicholasville, 90 feet east of center line of northbound track, 1,570 feet north of railway milepost 95, 2,067 feet south of semaphores 943 and 944, 1.5 feet west of east right-of-way fence, and near middle of curve between mileposts 94 and 95. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 893.380 feet. Plane coordinates: (S),  $\bar{x}$  = 2,330,430.75 feet;  $\bar{y}$  = 563,448.70 feet.

Line ends at

20 (Ky.Geod.S.)(U.S.C. & G.S.)(Jessamine County, D.V.Terrell, 1934; M.A.Hecht, 1935).--On Southern Railway right-of-way between Wilmore and Nicholasville, on top of heaviest cut between Wilmore Road and Graytel Road, 294 feet south of railway milepost 96, 3 feet south of right-of-way fence line, and opposite fence intersection. To reach from Nicholasville Post Office, go south on State Highway 27 for 0.15 mile to cross street (State Highway 29), turn right for 2.25 miles to T-road (macadam) to left, turn left on macadam road for 0.7 mile to private lane to right between two gateposts, turn right through gate and go 0.4 mile to another gate, pass through gate and go 0.15 mile to house and barn on right, turn left across pasture for 0.1 mile to small pond and end of truck travel. Station is about 200 yards southwest of this point across another field. It is a U.S.C. & G.S. and State Survey standard disk, flush with ground. Reference and azimuth marks are bronze tablets set in concrete as described in note 11. Reference mark 1 is north of station, at fence junction, and projects about 4 inches. Reference mark 2 is west of station, along fence line and 1 foot north of same, and projects about 3 inches. Azimuth mark is U.S.C. & G.S. and State Survey traverse station 21. It is on the Southern Railway right-of-way about 1,100 feet south of Graytel Road overhead bridge, 130 feet south of railway bench mark 97, 6 feet north of east right-of-way fence line, and 84 feet east of center line of northbound track.

OBJECT	DISTANCE	DIRECTION
Nicholasville	feet	0 00 00
Azimuth mark (88 Trav.Sta.21)	0.7 mile	171 11 47.8
R.M. No.2	60.43	177 27 02.3
R.M. No.1	221.43	269 30 57.6
Elevation:	932.589 feet	

Plane coordinates: (S),  $\bar{x}$  = 2,323,293.80 feet;  $\bar{y}$  = 563,104.09 feet.

#### Jessamine and Mercer Counties

#### Wilmore to vicinity of Burgin

Line begins at station 20 (U.S.C. & G.S.)(Ky.Geod.S) described in another part of this publication.

21 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1.1 miles northeast of Wilmore, on Southern Railway right-of-way, between Wilmore and Nicholasville, 64 feet east of center line of northbound track, 1,130 feet south of Graytel Road overhead crossing, 1,912 feet north of railway milepost 97, 130 feet south of railway bench mark 97, and 6 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 890.379 feet. Plane coordinates: (S),  $\bar{x}$  = 2,320,371.62 feet;  $\bar{y}$  = 562,215.22 feet.

22 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.45 mile northeast of Wilmore, on Southern Railway right-of-way, between Wilmore and Nicholasville, 2,124 feet north of overhead crossing of Nicholasville-Wilmore highway, on west bank of first cut south of railway marker "Station one mile" north of Wilmore, 15 feet west of west edge of railway cut, and 3 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 903.003 feet. Plane coordinates: (S),  $\bar{x}$  = 2,317,390.11 feet;  $\bar{y}$  = 560,593.81 feet.

23 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--In northeast edge of Wilmore, on Southern Railway right-of-way, between Wilmore and Nicholasville, near overhead crossing of Nicholasville-Wilmore highway, 42 feet south of center line of highway, on west bank of railway cut, 5 feet south of northeast corner of Wilmore cemetery, and 3 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 888.164 feet. Plane coordinates: (S),  $\bar{x}$  = 2,315,907.01 feet;  $\bar{y}$  = 559,021.99 feet.

24 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--0.8 mile southwest of Wilmore, near Southern Railway right-of-way, between High Bridge and Wilmore, west of first cut south of Wilmore railway marker "city limits", south of Wilmore railway station, 1,180 feet south of city limits, 1.5 feet south of private fence running at right-angles to railway, and 24 feet west of right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 901.106 feet. Plane coordinates: (S),  $\bar{x}$  = 2,314,521.76 feet;  $\bar{y}$  = 554,653.41 feet.

25 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--1.3 miles southeast of Wilmore, on Southern Railway right-of-way, between High Bridge and Wilmore, 60 feet east of center line of northbound track, 768 feet north of railway marker "Station one mile" south of Wilmore, 120 feet south of railway milepost 99, and 40 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 899.628 feet.

Plane coordinates: (S),  $x = 2,313,488.32$  feet;  $y = 552,549.98$  feet.

25 Prime (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--8,800 feet north of Wilmore, 7 feet west of west rail of Cincinnati, New Orleans & Texas Pacific Railway (Southern Railway), in concrete abutment on top of overhead bridge at milepost 99, 0.8 foot from southeast corner of northwest corner of northwest abutment, 6 inches west of east face, and 4-1/2 inches north of south face. Station is a monel metal rivet. Elevation: 877.212 feet. No coordinates have been determined for this station.

26 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--2.6 miles south of Wilmore, on Southern Railway right-of-way, between High Bridge and Wilmore, east of fill, 27 feet east of center line of northbound track, near center of waste fill east of track, 1,726 feet north of private road overpass north of railway milepost 101, and 1,200 feet south of semaphores 1001 and 1002. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 861.930 feet.

Plane coordinates: (S),  $x = 2,307,092.84$  feet;  $y = 549,700.67$  feet.

27 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--4.0 miles southwest of Wilmore, on Southern Railway right-of-way, between High Bridge and Wilmore, 15 feet east of center line of southbound track, on edge of cut, and 6 feet south of railway marker "Station one mile" north of High Bridge railway station. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 824.339 feet.

Plane coordinates: (S),  $x = 2,299,848.45$  feet;  $y = 548,402.95$  feet.

28 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--5.75 miles southwest of Wilmore, on Southern Railway right-of-way, between High Bridge and Wilmore, 15 feet east of center line of northbound track, and 491 feet south of railway milepost 102, and in second cut north of High Bridge railway station. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 815.541 feet.

Plane coordinates: (S),  $x = 2,298,554.59$  feet;  $y = 547,111.16$  feet.

29 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--5.6 miles northeast of Burgin, on Southern Railway right-of-way, 576 feet north of railway milepost 103, on north abutment of High Bridge over Kentucky River, 21 feet east of center line of northbound track, 30 feet west of center line of spur track leading to rock quarry at High Bridge, and 60 feet south of railway toolhouse. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 797.984 feet.

Plane coordinates: (S),  $x = 2,298,079.73$  feet;  $y = 542,961.90$  feet.

29 Prime (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--On Southern Railway, on north end of High Bridge, over Kentucky River, 1/4 mile south of High Bridge station, on north main abutment, 11 feet west of west rail, on abutment wall outside of guard-rail and wall, 15 inches below rail, 6 inches north of south face, and 6 inches east of west face. Station is a monel metal rivet. Elevation: 794.786 feet.

No coordinates have been determined for this station.

30 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--About 400 feet south of High Bridge, and 8 feet to right of right rail going south. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 799.336 feet.

Plane coordinates: (S),  $x = 2,296,937.58$  feet;  $y = 540,798.59$  feet.

31 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--4.6 miles northeast of Burgin, on Burgin, on Southern Railway right-of-way, between Burgin and High Bridge, 18 feet east of center line of northbound track, 1,126 feet south of marker "Station one mile" south of High Bridge railway station, 854 feet north of railway milepost 104, and 155 feet from semaphore 1037. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 813.063 feet.

Plane coordinates: (S),  $x = 2,296,216.01$  feet;  $y = 538,296.59$  feet.

32 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--4.3 miles northeast of Burgin, on Southern Railway right-of-way, between Burgin and High Bridge, west of first cut south of railway milepost 104, about 500 feet south of post, on top of west bank of abandoned cut for single track, 15 feet south of high-tension transmission line tower west of right-of-way, and 2 feet east of right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 840.920 feet.

Plane coordinates: (S),  $x = 2,295,303.59$  feet;  $y = 537,095.60$  feet.

33 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--4.05 miles northeast of Burgin, on Southern Railway right-of-way, between Burgin and High Bridge, 35 feet west of center line of southbound track, 450 feet north of first private road crossing railway north of underpass on Dix Dam Road leaving State Highway 33 to south of Shakertown, near end of first curve south of railway milepost 104, and on west bank of cut. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 839.923 feet.

Plane coordinates: (S),  $x = 2,295,328.71$  feet;  $y = 535,406.03$  feet.

34 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--About 2 feet to right of left right-of-way line, 180 feet north of underpass between highway mileposts 104 and 105, about 1,000 feet north

of milepost 105, and 90 feet left of left rail going south. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 861.451 feet.

Plane coordinates: (S),  $x = 2,295,960.47$  feet;  $y = 533,656.87$  feet.

35 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--3.2 miles northeast of Burgin, on Southern Railway right-of-way, between Burgin and High Bridge, on edge of cut, 30 feet west of center line of southbound track, 1,060 feet north of semaphore 1054, and 564 feet south of semaphore 1051. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 851.938 feet.

Plane coordinates: (S),  $x = 2,295,542.57$  feet;  $y = 531,460.41$  feet.

36 (Ky.Geod.S.)(U.S.C. & G.S.)(Mercer County, D.V.Terrell, 1934; M.A.Hecht, 1935).--Approximately 2.6 miles south of High Bridge, 125 feet south of concrete overpass, 54 feet south of south right-of-way of State Highway 33 (Dix Dam Road) crossing railway on concrete overpass marked 105.6, 2 feet east of west railway right-of-way fence, and on top of cut. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 922.318 feet.

Plane coordinates: (S),  $x = 2,296,004.04$  feet;  $y = 529,278.98$  feet.

37 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--2.1 miles northeast of Burgin, on Southern Railway right-of-way, between Burgin and High Bridge, east of railway tracks, at south end of first cut south of railway milepost 106, 496 feet south of overpass bridge marked 106.3, on private road, and 57 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 876.868 feet.

Plane coordinates: (S),  $x = 2,295,247.13$  feet;  $y = 525,783.28$  feet.

37 Prime (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--3/4 mile north of Burgin, on State Highway 33, at highway bridge milepost 108.2, on top of concrete abutment support, between second and third support, and 8 feet west of west rail of Southern Railway. Station is a monel metal rivet. Elevation: 903.198 feet. No coordinates have been determined for this station.

38 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--0.3 mile northeast of Burgin, on Southern Railway right-of-way, 1,452 feet south of concrete overpass on State Highway 33, 1,575 feet north of railway marker "City Limit" north of Burgin, on bank between cut for double tracks and abandoned single track cut, near point of intersection of curve, and 2 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 922.138 feet.

Plane coordinates: (S),  $x = 2,285,171.39$  feet;  $y = 521,139.26$  feet.

39 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--0.9 mile southwest of Burgin, on Southern Railway right-of-way, 25 feet west of center line of southbound track, about 5 feet east of west edge of fill, 1,454 feet south of railroad station at Burgin, and 18 feet north of semaphore 1092. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 890.898 feet.

Plane coordinates: (S),  $x = 2,283,194.60$  feet;  $y = 517,069.34$  feet.

40 (Ky.Geod.S.)(Mercer County, D.V.Terrell, 1934).--0.8 mile west of Burgin, on State Highway 142 (from Burgin to Harrodsburg), 0.8 mile west of grade crossing on Southern Railway in Burgin south of highway, 47 feet west of west fence of driveway to the Caddell farm, and 3 feet north of south right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 922.762 feet.

Plane coordinates: (S),  $x = 2,279,320.89$  feet;  $y = 518,681.48$  feet.

Line ends at

HARRODS (U.S.C. & G.S.)(Ky.Geod.S.)(Mercer County, W.Mussetter, 1928; M.A.Hecht, 1935).--1/4 mile south of the Harrodsburg-Burgin Road, on property owned by M.M.Dassett and rented by Louis Trisler. To reach from Harrodsburg go east on route 152 for 2.7 miles to the Trisler house on right and T-road right just beyond at top of hill. Turn right through gate and follow gravel driveway via large white house on hill to gate (0.5 mile) about 0.1 mile west of said house. Pass through gate and go 0.2 mile through pasture to highest point in pasture and station. The station is set about 1 foot below surface of ground, in the highest part of a hill in pasture, about 0.3 mile west of a large white house. Surface and underground marks are standard disks in concrete. Notes la and 7a. R.M. No.1 is southeast of station, along south fence line around pasture and about 18 inches north of same. R.M. No.2 is west of station, along west fence line of pasture and about 150 feet south of highest point on fence line. Azimuth mark (1935) is east-south-east of station, 2 feet north of fence line, 22 feet west of fence corner at two gates, about 0.1 mile southwest of large white house mentioned above, and projects about 12 inches.

OBJECT	DISTANCE	DIRECTION
BURDETTE	Feet	0°00'00"
R.M. No.1	482.4	28 48 31.2
R.M. No.2	688.0	159 28 37.0
Azimuth mark	0.3 mile	355 51 05.4

No elevation has been determined for this station. Plane coordinates: (S),  $x = 2,275,066.85$  feet;  $y = 517,560.35$  feet.

#### Fayette County

##### Vicinity of Brighton and Lexington

Line begins at station 411 (Ky.Geod.S.) described in another part of this publication.

101 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--Approx-

imately 7 miles east of Lexington, on Walnut Hill Road, 0.9 mile southwest of Lexington-Winchester Road, 320 feet north of entrance to the Will Weathers residence, and 1.5 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,035.024 feet.  
Plane coordinates: (S),  $x = 2,396,498.71$  feet;  $y = 617,748.56$  feet.

102 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---Approximately 7 miles east of Lexington, on Chesapeake & Ohio Railway right-of-way, in second cut west of Walnut Hill Road crossing, 1,650 feet west of Walnut Hill Road, and 2 feet north of south right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,056.742 feet.  
Plane coordinates: (S),  $x = 2,391,088.43$  feet;  $y = 613,376.48$  feet.

103 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 6.25 miles east of Lexington, on Walnut Hill Road, 0.6 mile south of Chesapeake & Ohio Railway crossing, 645 feet north of entrance to the W.Stovall residence, and 2 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,034.110 feet.  
Plane coordinates: (S),  $x = 2,391,027.69$  feet;  $y = 610,504.34$  feet.

104 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 6.5 miles east of Lexington, 500 feet east of intersection of Todds Road with Walnut Hill Road, and 1 foot north of south right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,037.474 feet.  
Plane coordinates: (S),  $x = 2,389,485.39$  feet;  $y = 608,240.80$  feet.

105 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 6.5 miles east of Lexington, on Walnut Hill Road, 0.4 mile east of intersection of Walnut Hill Road with Athens-Boonesboro Road, 600 feet south of south curve in road, 100 feet north of entrance to the S.E.Hall residence, and 1 foot northwest of southeast right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,029.509 feet.  
Plane coordinates: (S),  $x = 2,385,072.10$  feet;  $y = 603,688.22$  feet.

106 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---Approximately 6.2 miles east of Lexington, on Athens-Boonesboro Road, 350 feet north of intersection of Athens-Boonesboro Road with Richmond Road, 175 feet north of west entrance gate to Walnut Hill school grounds, and 1 foot west of east right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,047.421 feet.  
Plane coordinates: (S),  $x = 2,382,087.84$  feet;  $y = 602,630.07$  feet.

210 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 5.3 miles southeast of Lexington, on Lexington-Richmond Road, 370 feet north of the J.W.Denton driveway, north of Gulf refining oil station, at intersection of Athens-Boonesboro and Richmond Roads, and 3 feet east of west right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,034.695 feet.  
Plane coordinates: (S),  $x = 2,381,531.11$  feet;  $y = 603,195.27$  feet.

209 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 5.1 miles southeast of Lexington, on Lexington-Richmond Road, 165 feet south of new point of intersection of highway curve, 110 feet north of north fence around the Dr.Ray residence, and 2 feet west of east right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,011.444 feet.  
Plane coordinates: (S),  $x = 2,381,398.36$  feet;  $y = 603,886.26$  feet.

208 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---4.2 miles southeast of Lexington, on Lexington-Richmond Road, 150 feet south of south yard-fence around the B.P.White residence, on high point of knoll of right-of-way, 18 inches from north edge of highway metal, 6 feet south of reference monument, 18 inches south of north right-of-way fence, and 3 feet southeast of telephone pole on high point of knoll of right-of-way. Station is a U.S.C. & G.S. and State Survey standard disk in concrete, 1 foot below ground. Elevation: 1,018.097 feet.  
Plane coordinates: (S),  $x = 2,378,115.24$  feet;  $y = 607,383.26$  feet.

207 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---4 miles southeast of Lexington, on Lexington-Richmond Road, 530 feet south of center line of Lake View Dairy driveway of O.E.Bush, 12 feet north of telephone pole, and 4 feet east of west right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,007.163 feet.  
Plane coordinates: (S),  $x = 2,375,987.53$  feet;  $y = 609,623.61$  feet.

206 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 3.2 miles southeast of Lexington, on Lexington-Richmond Road, 42 feet north of driveway of John M.Otuma, and 4 feet west of east right-of-way line (wooden fence). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,038.962 feet.  
Plane coordinates: (S),  $x = 2,374,026.58$  feet;  $y = 611,960.32$  feet.

205 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).---About 3 miles southeast of Lexington, on Lexington-Richmond Road, approximately 40 feet north of north right-of-way of Todd's Road, and 5 feet east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,014.467 feet.  
Plane coordinates: (S),  $x = 2,372,431.71$  feet;  $y = 613,583.23$  feet.

Line ends at station 204 (Ky.Geod.S.) described in another part of this publication.

## Madison County

### Vicinity of Berea to vicinity of Richmond

The coordinates in this line of traverse are given as "Third-Order" coordinates because they did not quite meet the requirement of 1/10,000 for Second-Order coordinates.

Line begins at

BEREA (U.S.C. & G.S.)(Ky.Geod.S.)(Madison County, H.W.Hemple, 1928; D.V.Terrell, 1934).---About 3-1/2 miles southeast of the town of Berea, Ky., east of Berea College, on the highest and most western part of Bear Knob. It is on the same mountain as Fairchild Spring, and about 0.25 mile east of the spring. The station mark is set in a limestone block about 9x9 inches on top, and about two feet in the ground, with about five inches projecting above the surface. The reference mark is 8.00 meters (26.2 feet) west of station mark in a rock about 9x9 inches on top, set about three feet in the ground, and projecting about 3 inches above the surface. A second reference mark (2) was set in 1934. It is a standard reference mark disk, 33.3 feet southwest of station (azimuth about 46°), set in rock and stamped "No.2". Station, underground and reference marks are bronze tablets set in concrete as described in notes 1a, 8a, and 12c. To reach station from Berea, take Scaffold Cane Road leading south from the Boone Tavern (keeping main road) for 2.4 miles and turn left. Follow lane to creek ford and end of truck travel. Continue afoot straight ahead to wagon road and follow it for about 1/4 mile to top of ridge at gap at the Bradley White house at "Fairchild Springs". Turn right and follow old road around right side of mountain which winds back to top on west side of summit about 1/2 mile from house to the station. No elevation has been determined for this station.  
Plane coordinates: (S),  $x = 2,432,581.25$  feet;  $y = 441,366.88$  feet.

264 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---1.5 miles south of town of Berea, on Powell Owens land, approximately 600 feet north of the F.B.Dowden property line, about halfway between the Williams and Dowden properties, 350 feet east of small house, and 250 feet east of property line fence between the Powell Owens and T.J.Williams properties. Station is a U.S.C. & G.S. and State Survey standard disk in concrete, projecting 4 inches above ground. No elevation has been determined for this station.  
Plane coordinates (Third-Order): (S),  $x = 2,424,777.75$  feet;  $y = 445,852.45$  feet.

263 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---1.5 miles south of town of Berea, north of Berea-Scaffold Cane Road, approximately 400 feet from house on opposite side of road, 100 feet northwest of the two-story frame house of Powell Owens, and 1 foot south of right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.  
Plane coordinates (Third-Order): (S),  $x = 2,426,710.10$  feet;  $y = 447,506.40$  feet.

262 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---1.25 miles southwest of Berea, in field 1 foot south of wire fence, approximately 850 feet north of one-story (unpainted) frame house with barn close behind house, 650 feet northwest of one-story frame (white) house, 500 feet west of one-story frame (red) house, 400 feet north of two-story frame (unpainted) house, and 15 feet from 30-inch live oak in fence line (property line between Prewitt Smith and Henry Parsons), on property of Prewitt Smith. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.  
Plane coordinates (Third-Order): (S),  $x = 2,424,219.34$  feet;  $y = 449,196.05$  feet.

261 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---0.5 mile southeast of town of Berea, in large pasture field, 6 feet west of 42-inch white oak, approximately 3,000 feet southeast of Louisville & Nashville Railroad tunnel at Berea, 900 feet west of red barn on Berea College property, 500 feet north of wire fence property line between E.C.Wynn and Berea College, and 400 feet southwest of 30' x 40' barn. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.  
Plane coordinates (Third-Order): (S),  $x = 2,422,151.82$  feet;  $y = 450,033.65$  feet.

260 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---0.3 mile south of town of Berea, on east side of Louisville & Nashville Railroad track, approximately 1,800 feet south of Berea depot, 400 feet east of large brick building, 350 feet south of tunnel (U.S.Highway 25 going over top), 175 feet southeast of milepost 0132 & 242, 100 feet northeast of signal post, approximately 75 feet west of two frame houses, (houses stand side by side), 12 feet east of telephone pole, and 2 feet from railroad right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 979.412 feet.  
Plane coordinates (Third-Order): (S),  $x = 2,420,478.83$  feet;  $y = 452,339.34$  feet.

259 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---1.25 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, approximately 1 mile north of Berea depot, 1,100 feet north of milepost 0141 & L241, 600 feet south of two signal posts, 400 feet south of railroad telephone booth and double switch, 8 feet from right-of-way fence, and 6 feet from telephone pole. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation (U.S.C. & G.S.): 974.040 feet.  
Plane coordinates (Third-Order): (S),  $x = 2,419,729.49$  feet;  $y = 458,699.15$  feet.

258 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).---1.5 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, 400 feet north of railroad crossing of Berea-Point Lick Road, approximately 200 feet west of frame house, 300 feet east of frame house on opposite side of railroad, and 20 feet from torn-down right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 977.633 feet.



Plane coordinates (Third-Order): (S),  $x = 2,419,296.78$  feet;  
 $y = 461,539.89$  feet.

257 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--2.25 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, approximately 600 feet west of two-story frame house (white) with outside chimney passing up through edge of roof, and 8 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 972.168 feet.

Plane coordinates (Third-Order): (S),  $x = 2,418,896.75$  feet;  
 $y = 465,322.35$  feet.

256 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--3 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, 600 feet west of Old Berea-Richmond Pike, approximately 450 feet south of overhead bridge, and 5 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation (U.S.C. & G.S.): 985.930 feet.

Plane coordinates (Third-Order): (S),  $x = 2,418,910.14$  feet;  
 $y = 469,425.76$  feet.

255 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--3.7 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, on top of cut, 500 feet south of railroad milepost C128 & L238, approximately 400 feet east of the Baxter store (colored), 300 feet east of white frame house (with green border) on Old Berea-Richmond Pike, 14 feet west of north corner of overhead bridge, 5 feet east of west right-of-way fence, and 1 foot from country road right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 976.212 feet.

Plane coordinates (Third-Order): (S),  $x = 2,419,435.44$  feet;  
 $y = 472,980.48$  feet.

254 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--4 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, 800 feet south of Whites station depot, on top of cut, 125 feet north of south end of cut, 7 feet west of east right-of-way fence, and 6 feet south of telephones pole. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 954.214 feet.

Plane coordinates (Third-Order): (S),  $x = 2,419,880.47$  feet;  
 $y = 474,693.16$  feet.

253 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--4.5 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, 1,500 feet east of two-story frame white house, on top of cut, approximately 1,500 feet north of Whites station, 400 feet north of two signal posts, 40 feet west of 14-inch walnut, and 6 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.

Plane coordinates (Third-Order): (S),  $x = 2,420,344.18$  feet;  
 $y = 477,046.53$  feet.

252 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--5.4 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, approximately 1,500 feet north of milepost C127 & L237, 650 feet south of railroad crossing (known as the Mare Lee crossing), and 2 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation (U.S.C. & G.S.): 894.365 feet.

Plane coordinates (Third-Order): (S),  $x = 2,419,695.49$  feet;  
 $y = 480,009.49$  feet.

251 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--5.9 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, 1,000 feet southwest of large barn, approximately 400 feet south of milepost C126 & L236, 200 feet west of forks of creek, and 15 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 890.135 feet.

Plane coordinates (Third-Order): (S),  $x = 2,420,961.46$  feet;  
 $y = 483,279.19$  feet.

250 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--6 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, approximately 800 feet south of railroad bridge, 350 feet west of creek, 7 feet east of west right-of-way fence, and 7 feet from 10-inch elm. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 887.821 feet.

Plane coordinates (Third-Order): (S),  $x = 2,421,172.82$  feet;  
 $y = 484,126.04$  feet.

249 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--6.3 miles north of town of Berea, on west side of Louisville & Nashville Railroad track, on right-of-way, opposite rock cut, on top of bank (approximately 4 feet high), 200 feet from creek on west side of monument, and approximately 40 feet from right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 887.166 feet.

Plane coordinates (Third-Order): (S),  $x = 2,421,417.51$  feet;  
 $y = 486,176.86$  feet.

248 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--7 miles north of town of Berea, on east side of Louisville & Nashville Railroad track, approximately 700 feet east of barn, on top of bank, 300 feet west of creek, and 15 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation (U.S.C. & G.S.): 918.952 feet.

Plane coordinates (Third-Order): (S),  $x = 2,423,563.85$  feet;  
 $y = 489,284.80$  feet.

247 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--6.2 miles south of Richmond, on west side of Louisville & Nashville Railroad track, on right-of-way, on top of cut, approximately 400 feet north of signal post on east side of railroad, and 300 feet from branch. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 944.370 feet.

Plane coordinates (Third-Order): (S),  $x = 2,425,148.61$  feet;  
 $y = 492,085.30$  feet.

246 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--5.5 miles south of Richmond, on east side of Louisville & Nashville Railroad track, on right-of-way, on top of cut, approximately 1,000 feet south of two signal posts, and 10 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 971.199 feet.

Plane coordinates (Third-Order): (S),  $x = 2,427,473.90$  feet;  
 $y = 495,764.68$  feet.

245 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--4.2 miles south of Richmond, on east side of Louisville & Nashville Railroad track, 800 feet west of large barn, on top of cut, 135 feet from branch, and 3 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 986.673 feet.

Plane coordinates (Third-Order): (S),  $x = 2,429,213.15$  feet;  
 $y = 498,148.41$  feet.

244 A (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--3.9 miles south of Richmond, on west side of Louisville & Nashville Railroad track, 900 feet south of overhead bridge, approximately 600 feet north of motor car landing, and 20 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 985.332 feet.

Plane coordinates (Third-Order): (S),  $x = 2,429,219.31$  feet;  
 $y = 499,783.08$  feet.

244 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--3.3 miles south of Richmond, on east side of Louisville & Nashville Railroad track, 1,200 feet north of overhead bridge, 500 feet north of milepost marked C122 & L232, approximately 400 feet from U.S. Highway 25 (between Richmond and Berea), and 15 feet west of east right-of-way fence on north and of cut. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,001.279 feet.

Plane coordinates (Third-Order): (S),  $x = 2,429,097.82$  feet;  
 $y = 503,105.09$  feet.

243 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--2.8 miles from Richmond, approximately 600 feet south of old Port East depot, on top of cut, approximately 175 feet north of wooden bridge over railroad, and 5 feet west of east right-of-way fence of Louisville & Nashville Railroad. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,006.208 feet.

Plane coordinates (Third-Order): (S),  $x = 2,428,030.17$  feet;  
 $y = 505,545.36$  feet.

242 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--2.1 miles south of Richmond, on Louisville & Nashville right-of-way, about 1,000 feet north of milepost C121 & D231, approximately on point of intersection of railroad curve, and 15 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 999.755 feet.

Plane coordinates (Third-Order): (S),  $x = 2,425,581.95$  feet;  
 $y = 507,461.90$  feet.

241 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--1.4 miles south of Richmond, on Louisville & Nashville Railroad right-of-way, west of track, south of private road, approximately 200 feet south of milepost L230 & C120, 40 feet from center line of road, and 9 feet from telephone pole. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,005.097 feet.

Plane coordinates (Third-Order): (S),  $x = 2,422,932.94$  feet;  
 $y = 510,651.46$  feet.

240 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--0.6 mile south of Richmond on west side of Louisville & Nashville Railroad track, approximately 800 feet south of two-story frame dwelling (white with green border), 150 feet north of motor-car house, and 2 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 965.534 feet.

Plane coordinates (Third-Order): (S),  $x = 2,421,903.57$  feet;  
 $y = 514,522.86$  feet.

239 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--In southeast edge of Richmond, east of Louisville & Nashville Railroad track, approximately 200 feet west of stone house with wooden top, 175 feet east of south end of freight depot in Richmond, 45 feet north of wire fence with iron posts and three strands of barbed wire slanting on top, and 5 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 942.193 feet.

Plane coordinates (Third-Order): (S),  $x = 2,423,402.98$  feet;  
 $y = 517,634.69$  feet.

238 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--0.25 mile east of Richmond, on west side of Louisville & Nashville Railroad track, approximately 500 feet east of large water tank and old brick building, 250 feet south of railroad intersection, on top of cut, and 2.5 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 930.744 feet.

Plane coordinates (Third-Order): (S),  $x = 2,423,490.87$  feet;  
 $y = 519,747.51$  feet.

237 (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--1,000 feet east of Richmond, east of Richmond-Winchester Road 227, approximately 110 feet north of entrance to Richmond Golf Club, 60 feet from telephone pole #17 opposite road, and 2 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 946.135 feet.

Plane coordinates (Third-Order): (S),  $x = 2,421,834.93$  feet;  
 $y = 521,754.57$  feet.

236 Prime (Ky.Geod.S.)(Madison County, D.V.Terrell, 1934).--At Richmond Court House, in foundation stone of pillar on northeast corner of porch facing Main Street, 6 inches from north face of stone, and 4 inches from west face of stone. Station is a metal rivet. Elevation: 952.739 feet.

No coordinates have been determined for this station.

236 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --0.25 mile northwest of Richmond, on Southern Bell Telephone line at intersection pole 810, and 1.5 feet from new addition of fence opposite the Hanger farm. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 977.363 feet. Plane coordinates (Third-Order): (S),  $\bar{x}$  = 2,417,529.17 feet;  $\bar{y}$  = 523,022.12 feet.

Line ends at

### Madison and Fayette Counties

#### Vicinity of Richmond to Vicinity at Brighton

Line begins at

235 (Ky. Geod. S.) (U.S.C. & G.S.) (Madison County, D.V. Terrell, 1934; M.A. Hecht, 1935). --1 mile northwest of Richmond, on west side of Richmond-Lexington Road (U.S. Highway 25), approximately 450 feet north of Lynwood private drive, 20 feet from pond under high-tension light wires, and 5 feet from wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 959.403 feet. Plane coordinates: (S),  $\bar{x}$  = 2,415,910.02 feet;  $\bar{y}$  = 524,956.03 feet.

234 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --1.6 miles northwest of Richmond, on west side of Richmond-Lexington Road, 120 feet south of stone entrance, opposite telephone pole 776 east of road, and 3 feet east of west right-of-way fence (plank). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 935.296 feet. Plane coordinates: (S),  $\bar{x}$  = 2,414,910.44 feet;  $\bar{y}$  = 527,479.73 feet.

233 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --2.2 miles northwest of Richmond, on Richmond-Lexington Road, 48 feet south of telephone pole 756, 20 feet north of green gate on west side of road, and 1 foot west of east right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 959.046 feet. Plane coordinates: (S),  $\bar{x}$  = 2,412,204.42 feet;  $\bar{y}$  = 529,076.46 feet.

232 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --2.7 miles northwest of Richmond, on west side of Richmond-Lexington Road, 1,000 feet south of the J.B. Deatherage entrance gate, 100 feet north of the Hutchens residence, opposite telephone pole 744 on opposite side of road, and 2 feet east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 942.789 feet. Plane coordinates: (S),  $\bar{x}$  = 2,411,063.22 feet;  $\bar{y}$  = 530,703.07 feet.

231 Prime (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --3.5 miles northwest of Richmond, on west side of Lexington-Richmond Road, 35 feet west of telephone pole 732, 7 inches from southwest face of north end of culvert, and 9 inches from west face of west headwall. Station is a monel metal rivet. Elevation: 877.856 feet.

No coordinates have been determined for this station.

231 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --20.8 miles from Lexington, 5.2 miles northwest of Richmond, on east side of Richmond Road, 230 feet south of red slate gate (entrance to farm), 4 feet west of east right-of-way wire fence, and 3 feet west of telephone pole 711. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 931.579 feet. Plane coordinates: (S),  $\bar{x}$  = 2,410,841.02 feet;  $\bar{y}$  = 536,263.55 feet.

230 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --20.2 miles southeast of Lexington, 5.5 miles northwest of Richmond, on east side of Richmond Road, on grounds of Cotton service station, 72 feet south of service station, and 24 feet north of telephone pole 695-1/2. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 908.242 feet. Plane coordinates: (S),  $\bar{x}$  = 2,411,378.16 feet;  $\bar{y}$  = 538,818.70 feet.

229 Prime (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --6.7 miles northwest of Richmond, on west side of Lexington-Richmond Road, 40 feet from telephone pole 668, 14 inches from south face of culvert, and 7 inches from west face of culvert abutment. Station is a monel metal rivet. Elevation: 897.004 feet. No coordinates have been determined for this station.

229 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --18.8 miles from Lexington, 7.2 miles northwest of Richmond, on east side of Richmond Road, 150 feet north of Clays Lane, 63 feet south of the J.W. Wilson store, and 6 feet northwest of telephone pole 653-1/2. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 958.726 feet. Plane coordinates: (S),  $\bar{x}$  = 2,411,293.58 feet;  $\bar{y}$  = 546,182.38 feet.

228 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --18.1 miles from Lexington, 7.9 miles southwest of Richmond, on west side of Richmond Road, 0.3 mile south of intersection of Boonesboro and Richmond Roads, 27 feet south of telephone pole 635, and 1 foot east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 993.853 feet. Plane coordinates: (S),  $\bar{x}$  = 2,411,321.54 feet;  $\bar{y}$  = 549,513.84 feet.

227 Prime (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --8.7 miles northwest of Richmond, 700 feet southeast of monument 227, and 6 inches from south end and 5-1/2 inches from west face of culvert abutment on west side of Lexington-Richmond highway. Station is a monel metal rivet. Elevation: 970.407 feet. No coordinates have been determined for this station.

227 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --17.1 miles from Lexington, 8.9 miles northeast of Richmond, 0.2 mile south of end of concrete pavement, on west side of Richmond Road, 165 feet north of frame house (former P.H. Gum residence), opposite telephone pole 603, and 3 feet east of west right-of-way (board fence). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 992.587 feet. Plane coordinates: (S),  $\bar{x}$  = 2,409,633.72 feet;  $\bar{y}$  = 554,381.11 feet.

226 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --16.8 miles southeast of Lexington, 9.2 miles northwest of Richmond, on west side of Richmond Road, 150 feet north of the Sallie Evans residence, and 3 feet east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 984.931 feet. Plane coordinates: (S),  $\bar{x}$  = 2,409,098.88 feet;  $\bar{y}$  = 556,117.73 feet.

225 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --16.1 miles southeast of Lexington, 9.9 miles northwest of Richmond, on east side of Richmond Road, about 450 feet south of intersection of Simpson and Richmond Roads, 45 feet north of entrance gate to the Goins Brothers farm (telephone pole 576 on west side of road), and 1 foot west of east right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 937.517 feet. Plane coordinates: (S),  $\bar{x}$  = 2,409,064.32 feet;  $\bar{y}$  = 559,208.73 feet.

224 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --15.9 miles southeast of Lexington, 10.1 miles northwest of Richmond, on west side of Richmond Road, 660 feet north of intersection of Simpson and Richmond Roads, 80 feet north of "Churchill Weavers" sign, 10 feet south of telephone pole 567, and 1 foot east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 940.085 feet. Plane coordinates: (S),  $\bar{x}$  = 2,408,759.90 feet;  $\bar{y}$  = 560,506.09 feet.

223 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --15.5 miles from Lexington, 10.5 miles northwest of Richmond, on west side of Richmond Road, 1,050 feet north of the C.L. Baldwin residence, 9 feet south of telephone pole, and 1 foot east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 934.411 feet. Plane coordinates: (S),  $\bar{x}$  = 2,408,180.30 feet;  $\bar{y}$  = 562,371.16 feet.

222 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --12 miles northwest of Richmond, on knoll west of old hairpin turn in Lexington-Richmond Road, on Madison County side of Kentucky River, and approximately 600 feet west of new hairpin turn. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station. Plane coordinates: (S),  $\bar{x}$  = 2,405,112.03 feet;  $\bar{y}$  = 566,009.69 feet.

221 (Ky. Geod. S.) (Madison County, D.V. Terrell, 1934). --14.5 miles from Lexington on Richmond Road, on top of knoll west of frame church on Madison County side of Kentucky River, 11.5 miles northwest of Richmond, and 200 feet west of frame house in hairpin curve of road. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 966.854 feet. No coordinates have been determined for this station.

220 Prime (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --In stone abutment of bridge over Kentucky River, between Madison and Fayette Counties, on upstream side of Fayette County approach, 1 foot north of concrete footing of bridge, and 8 inches from face of stone abutment. Station is a monel metal rivet. Elevation: 595.990 feet. No coordinates have been determined for this station.

220 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --Approximately 13.3 miles southeast of Lexington on Richmond Road, 12.7 miles northwest of Richmond, 245 feet north of gateway to the H.G. Early farm, and 3 feet east of west right-of-way wire fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 835.685 feet. No coordinates have been determined for this station.

219 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --13.3 miles southeast of Lexington, on Lexington-Richmond Road, 4 feet west of southwest corner of the H.G. Early tobacco barn, and 450 feet east of the Early residence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 843.061 feet. Plane coordinates: (S),  $\bar{x}$  = 2,405,166.11 feet;  $\bar{y}$  = 570,578.07 feet.

218 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --12.35 miles southeast of Lexington, on Lexington-Richmond Road, 130 feet north of Rainbow Garden Tourist Camp, 105 feet south of entrance to the Press farm, 6 feet south of telephone pole 373, and 2 feet west of east right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 953.052 feet. Plane coordinates: (S),  $\bar{x}$  = 2,402,049.63 feet;  $\bar{y}$  = 575,735.61 feet.

217 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --11.8 miles southeast of Lexington, on Lexington-Richmond Road, 25 feet north of telephone pole 354, 1 foot off metal east of road. Reference monument is 2 feet west of east right-of-way wire fence, and 204 feet south of the A.M. Durbin gateway east of road. (Above information dated 1-18-34 and a note dated 1-24-34 states that reference monument had not been poured. There is a record of work tying it in). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 970.670 feet. Plane coordinates: (S),  $\bar{x}$  = 2,400,411.62 feet;  $\bar{y}$  = 578,010.45 feet.

216 (Ky. Geod. S.) (Fayette County, D.V. Terrell, 1934). --11 miles southeast of Lexington, on Lexington-Richmond Road, 264 feet



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south of intersection of Cleveland and Richmond Roads, and 3 feet east of west right-of-way line (stone yard fence). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 979.772 feet.

Plane coordinates: (S),  $x = 2,398,003.95$  feet;  $y = 581,154.43$  feet.

215 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--9.7 miles southeast of Lexington, on Lexington-Richmond Road, 375 feet north of Evans Mill Road, 324 feet south of the Fairview gateway (J.S.Hale, proprietor), 2 feet east of west right-of-way wire fence line, and 2 feet south of telephone pole 268. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,001.830 feet.

Plane coordinates: (S),  $x = 2,391,596.64$  feet;  $y = 585,564.27$  feet.

214 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--9.2 miles southeast of Lexington, on Lexington-Richmond Road, 80 feet north of center line of driveway west of road, 660 feet south of the Jack Creek Pike, and 18 inches east of right-of-way wire fence line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,043.384 feet.

Plane coordinates: (S),  $x = 2,389,088.77$  feet;  $y = 586,428.62$  feet.

213 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--8 miles southeast of Lexington, on Lexington-Richmond Road, 0.7 mile south of intersection of Athens and Richmond Roads, 70 feet north of hotel sign on east side of road, and 4 feet east of west right-of-way wire fence line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,047.697 feet.

Plane coordinates: (S),  $x = 2,385,801.64$  feet;  $y = 591,377.56$  feet.

212 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--7.3 miles southeast of Lexington, on Lexington-Richmond Road, 50 feet north of center line of Athens Road, and 4 feet west of east right-of-way line (hedge yard fence). Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,049.098 feet.

Plane coordinates: (S),  $x = 2,384,668.83$  feet;  $y = 594,605.58$  feet.

211 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 6.5 miles southeast of Lexington, on Lexington-Richmond Road, 237 feet south of the J.M.Durbin north fence line, 234 feet north of Walnut Hill Pike, and 3 feet east of west right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,017.285 feet.

Plane coordinates: (S),  $x = 2,382,752.63$  feet;  $y = 598,487.96$  feet.

Line ends at station 210 (Ky.Geod.S.) described in another part of this publication.

#### Fayette and Jessamine Counties

##### Vicinity of Brighton to vicinity of Brannon

Line begins at station 106 (Ky.Geod.S.) described in another part of this publication.

107 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 6.25 miles southeast of Lexington, on DeLong Road, 0.5 mile west of intersection of DeLong and Richmond Roads, and 6 feet northeast of southwest right-of-way line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.

Plane coordinates: (S),  $x = 2,379,352.99$  feet;  $y = 601,807.60$  feet.

108 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--Approximately 6 miles southeast of Lexington, 0.7 mile west of intersection of DeLong and Richmond Roads, on south side of DeLong Road, and 8 feet north of entrance gate to the H.Morrissey residence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. No elevation has been determined for this station.

Plane coordinates: (S),  $x = 2,378,759.11$  feet;  $y = 601,109.47$  feet.

109 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 6.5 miles south of Lexington, on DeLong Road, 300 feet north of intersection of DeLong Road and Armstrong Mill Road, 60 feet north of the R.Cook residence, and 2 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 987.552 feet.

Plane coordinates: (S),  $x = 2,374,224.63$  feet;  $y = 594,326.02$  feet.

121 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--6.5 miles south of Lexington, off Walnut Hill Road, on the Combs property, 700 feet south of the Combs residence, 400 feet south of tobacco barn, about 1,100 feet southwest of concrete bridge on road, about 800 feet west of creek at foot of hill, and 18 inches east of wire fence running from tobacco barn. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 975.298 feet.

Plane coordinates: (S),  $x = 2,372,810.27$  feet;  $y = 589,833.03$  feet.

122 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 8 miles south of Lexington, on DeLong Road, 200 feet east of intersection of DeLong and Walnut Hill Roads, 40 feet east of gateway entrance to tobacco barn, and 1 foot south of north right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,007.396 feet.

Plane coordinates: (S),  $x = 2,373,278.25$  feet;  $y = 586,107.22$  feet.

123 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--8.5 miles south of Lexington, on Walnut Hill Road, 0.25 mile east of Tates Creek Pike, 240 feet southwest of entrance to the Mrs.Powell residence, 30 feet east of telephone pole, at point of intersection of curve in road, and 2 feet south of north right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 980.885 feet.

Plane coordinates: (S),  $x = 2,370,186.15$  feet;  $y = 583,379.00$  feet.

124 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--Approximately 5 miles northeast of Nicholasville, in front of the Roberts School, about 500 feet from intersection of Davis and Ash Grove Roads, and 2 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 978.647 feet.

Plane coordinates: (S),  $x = 2,363,235.53$  feet;  $y = 583,294.16$  feet.

125 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--Approximately 5 miles northeast of Nicholasville, on Davis Road leaving Ash Grove Road at Roberts schoolhouse and running south 0.43 mile, 300 feet north of the McConathy residence, on curve in road, 20 feet north of large elm at curve, and 3 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 968.120 feet.

Plane coordinates: (S),  $x = 2,362,321.33$  feet;  $y = 581,733.77$  feet.

126 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--4.5 miles north of Nicholasville, on Ash Grove Road, 400 feet east of tin corner south of road and apple orchard on north side of road, 6 feet south of road shoulder, and 3 feet north of south right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 985.736 feet.

Plane coordinates: (S),  $x = 2,356,419.90$  feet;  $y = 587,350.38$  feet.

127 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--About 4 miles north of Nicholasville, in the Robert Wait barnyard on south side of Ash Grove Road, 6 feet east of barn, and 3 feet north of plank fence running from barn to yard. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,015.587 feet.

Plane coordinates: (S),  $x = 2,353,086.47$  feet;  $y = 588,438.70$  feet.

128 (Ky.Geod.S.)(Jessamine County, D.V.Terrell, 1934).--About 4 miles north of Nicholasville, 0.8 mile from Nicholasville Pike, on Ash Grove Road, 250 feet east of entrance to the J.W.Shubart Pine Crest farm, 2 feet north of south right-of-way fence, and opposite white house with plank fence north of road. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,029.360 feet.

Plane coordinates: (S),  $x = 2,351,203.18$  feet;  $y = 590,049.36$  feet.

129 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4 miles north of Nicholasville, 3 feet east of east right-of-way fence along Nicholasville Pike, 500 feet south of intersection of Ash Grove Road and Nicholasville Pike, in the Bryant yard, 50 feet north of entrance to the Bryant residence, and 12.5 feet north of telephone pole 2689. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,064.064 feet.

Plane coordinates: (S),  $x = 2,348,421.86$  feet;  $y = 591,124.02$  feet.

Line ends at station 9 (Ky.Geod.S.) described in another part of this publication.

#### Fayette County

##### South of Lexington, along Armstrong Mill Pike and Wilson and Downing Pike

Line begins at station 109 (Ky.Geod.S.) described in another part of this publication.

110 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--5.5 miles south of Lexington, 1.2 miles west of intersection of DeLong Road with Armstrong Mill Road, in field, on the W.J.Raybould property, near southeast corner of tobacco barn along Armstrong Mill Road, and 300 feet west of sharp curve in road. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,037.288 feet.

Plane coordinates: (S),  $x = 2,367,769.15$  feet;  $y = 598,056.43$  feet.

111 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--About 4.5 miles south of Lexington, on Armstrong Mill Road, 1 mile south of intersection of Armstrong Mill Road and Tates Creek Pike, 115 feet south of the Sears Fox residence, and 3 feet west of east right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 992.908 feet.

Plane coordinates: (S),  $x = 2,355,014.49$  feet;  $y = 601,127.48$  feet.

112 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4.5 miles south of Lexington, on Armstrong Mill Road, 20 feet west of entrance to the Kelly dairy, and 5 feet north of south right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 973.099 feet.

Plane coordinates: (S),  $x = 2,353,962.07$  feet;  $y = 601,711.45$  feet.

113 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4 miles south of Lexington, on Armstrong Mill Road, 0.3 mile east of intersection of Armstrong Mill Road and Tates Creek Pike, on fill 125 feet east of concrete bridge over Tates Creek, 2 feet south of north right-of-way fence and between right-of-way fence and wire

guard fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 914.573 feet.  
Plane coordinates: (S),  $\bar{x}$  = 2,363,059.07 feet;  $\bar{y}$  = 602,265.25 feet.

114 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4.5 miles south of Lexington on Downing Road, 0.2 mile west of intersection of Downing Road with Tate's Creek Pike, 300 feet west of concrete bridge over creek, and 2 feet east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 914.146 feet.  
Plane coordinates: (S),  $\bar{x}$  = 2,360,153.97 feet;  $\bar{y}$  = 599,985.44 feet.

115 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4 miles south of Lexington, north of Downing Road, 1 mile east of intersection of Downing and Nicholasville Roads, in yard of H.B.Royce, 65 feet north of Downing Road, and 1.5 feet east of west yard-fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 990.447 feet.  
Plane coordinates: (S),  $\bar{x}$  = 2,357,631.80 feet;  $\bar{y}$  = 601,401.15 feet.

116 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4 miles south of Lexington, on Downing Road, 0.7 mile east of intersection of Downing and Nicholasville Roads, 75 feet east of the W.E.Wilson residence, and 1.5 feet south of north right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 990.044 feet.  
Plane coordinates: (S),  $\bar{x}$  = 2,356,068.75 feet;  $\bar{y}$  = 602,350.91 feet.

117 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--4.7 miles south of Lexington, on Nicholasville Road, 1,800 feet north of junction of Nicholasville Road with Downing Road, and 18 inches east of west right-of-way fence. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 1,039.119 feet.

Plane coordinates: (S),  $\bar{x}$  = 2,352,956.73 feet;  $\bar{y}$  = 604,726.98 feet.

Line ends at station 6 (Ky.Geod.S.) described in another part of this publication.

#### Fayette County

##### In Lexington

A spur line of traverse for which no coordinates are published.

Line begins at station 3 (Ky.Geod.S.) described in another part of this publication.

2 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--At Lexington, about 0.2 mile south of Cincinnati, New Orleans & Texas Pacific Railway station, 15 feet north of center line of Sprall Street, 21 feet east of east side of a corrugated-iron building, 27 feet west of west rail of west track, and about level with track. Station is a U.S.C. & G.S. and State Survey standard disk, stamped "2", in concrete. Elevation: 966.333 feet.

Line ends at

1 (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--On University of Kentucky campus, 500 feet southwest of north gate to campus on South Limestone Street, 300 feet northwest of flag pole in front of Administration Building (known as New North Monument), from No. 1 to south monument on campus is true north-south line. Station is a U.S.C. & G.S. and State Survey standard disk in concrete. Elevation: 956.418 feet.

#### Fayette County

##### Miscellaneous monuments in Lexington

NEW UNION STATION (Ky.Geod.S.)(Fayette County, D.V.Terrell, 1934).--In Lexington. Station is a monel metal rivet in chiseled square on concrete loading platform at south side of Union Station, 33 feet 11 inches west of east end of platform, 6 inches north of south end, and 3 feet 2 inches north of north rail of track 2. Elevation: 951.420 feet.

No coordinates have been determined for this station.

#### Fayette, Jessamine and Mercer Counties

##### Vicinity of Donerail, through Lexington, to vicinity of High Bridge

Elevations of bench marks of the Southern Railway for which descriptions were not available.

<u>Station</u>	<u>Locality</u>	<u>Elevation</u> <u>feet</u>
75 (Southern Railway)	Donerail	904.718
77	Greendale	935.706
78	"	960.951
79	Lexington	939.656
80	"	946.865
Old Union Station (Southern Rwy.)	"	949.540
83 (Southern Railway)	"	979.616
84	"	997.145
86	"	1019.245
87	Brannon	1028.057
88	"	1036.412
89	"	1010.464
90	Nicholasville	991.283
92	"	988.188
93	"	956.837
94	"	932.749 (un-
95	"	901.020 checked)
96	Wilmore	894.995
97	"	896.387
105	High Bridge	838.989